

ABSTRACT

A method and apparatus is provided to simultaneously perform a TV reception function and a calling function in a multimode mobile phone supporting two or more communication services. The apparatus comprises a first RF switch separating a received signal into N communication services; M diplexers associated with the communication services, for separating a signal received from the first RF switch into a call signal and a TV signal; a second RF switch for applying the TV signal received from the diplexers to a TV tuner; and a controller for controlling an overall operation of the multimode mobile phone and controlling the first RF switch and the second RF switch according to the received signal.